

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012269.D
 Acq On : 28 Aug 2019 23:26
 Operator : SY/VA
 Sample : VW0828SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBL02

Quant Time: Aug 29 06:50:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	456450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	167245	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.88	113	135698	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.32	98	554436	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	174334	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	

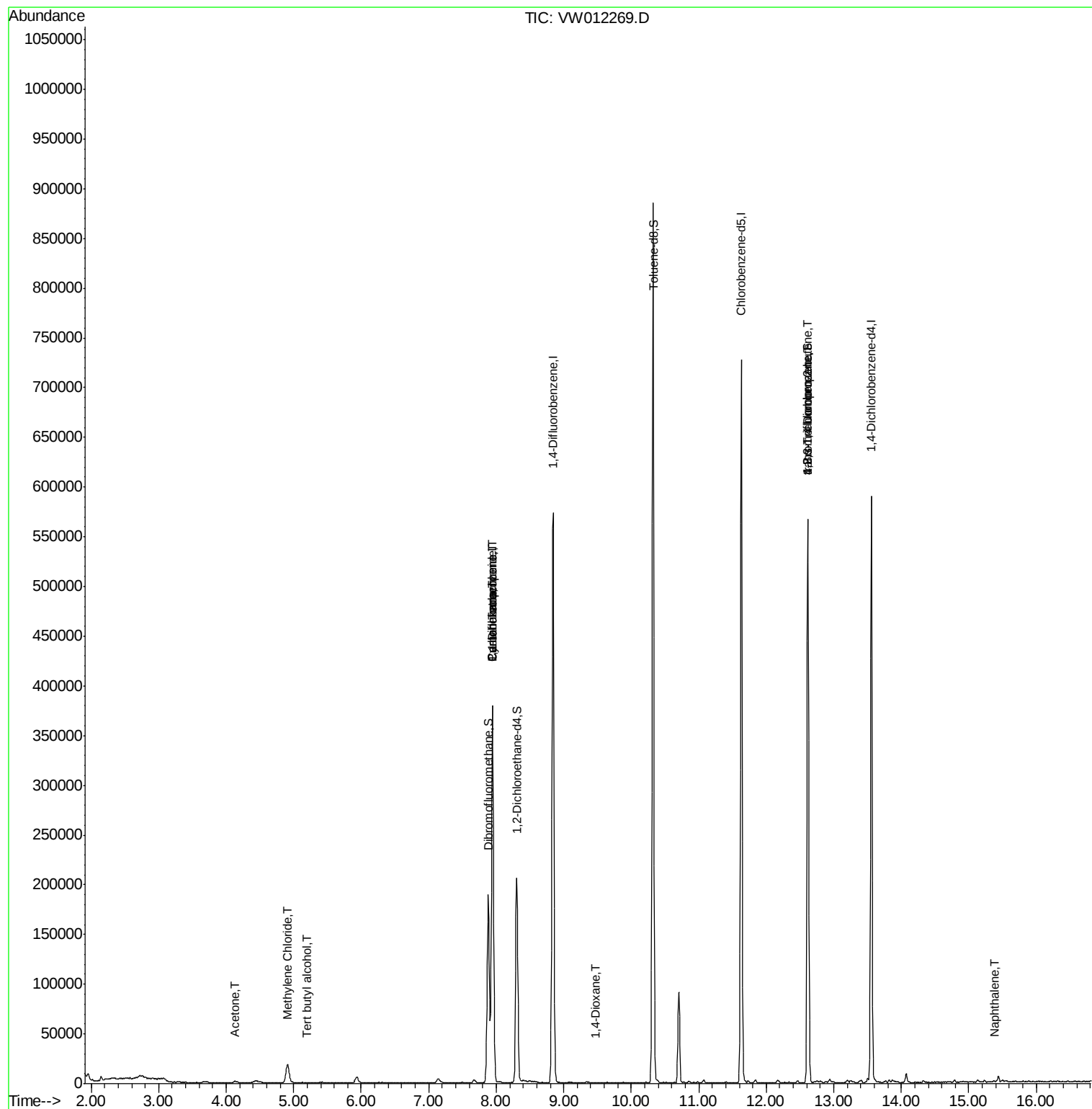
Target Compounds						Qvalue
11) Tert butyl alcohol	5.19	59	364	1.850	ug/l #	71
16) Acetone	4.13	43	3411	4.080	ug/l	98
20) Methylene Chloride	4.91	84	13316	4.214	ug/l	94
31) Cyclohexane	7.94	56	6791	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23578	4.999	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27287	6.684	ug/l #	16
49) 1,4-Dioxane	9.48	88	41	1.737	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	94334	65.622	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94334	143.879	ug/l #	6
95) Naphthalene	15.37	128	878	4.465	ug/l #	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

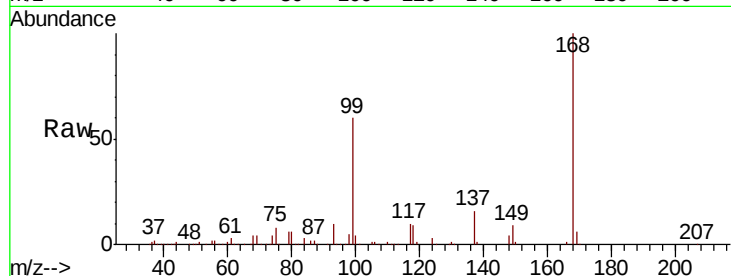
VW0828SBL02

Tgt Ion:168 Resp: 275096

Ion Ratio Lower Upper

168 100

99 60.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

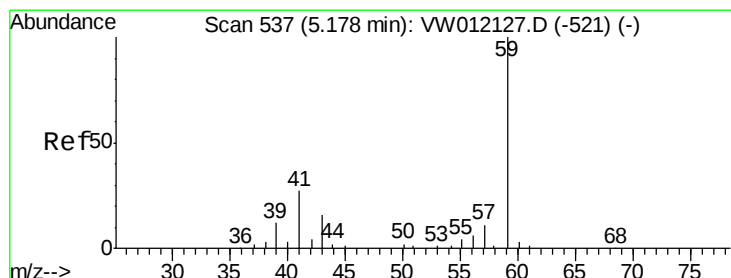
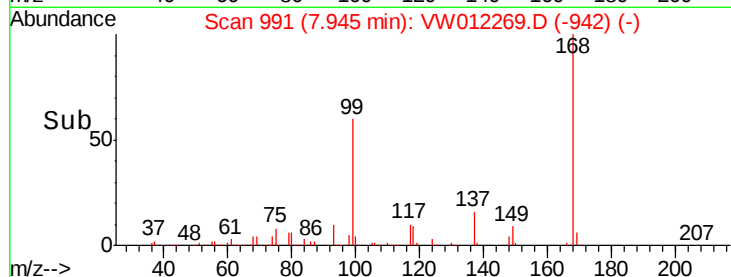
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.850 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012269.D

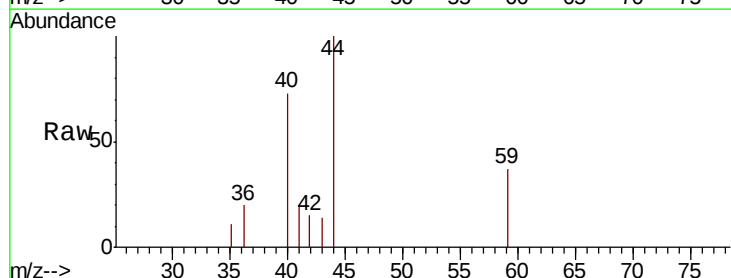
Acq: 28 Aug 2019 23:26

Tgt Ion: 59 Resp: 364

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

200

150

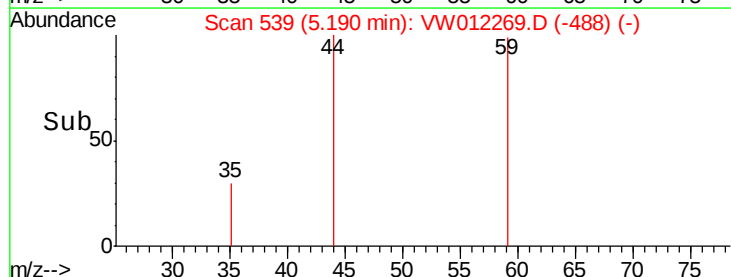
100

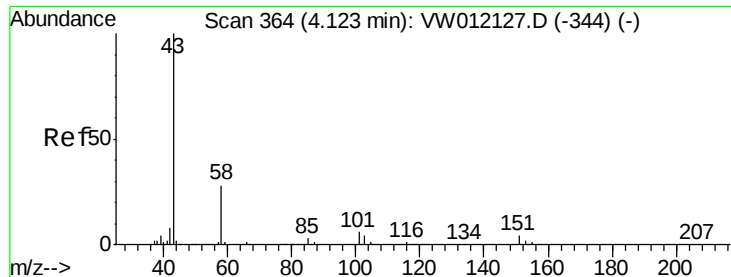
50

0

5.15 5.20 5.25

Time-->

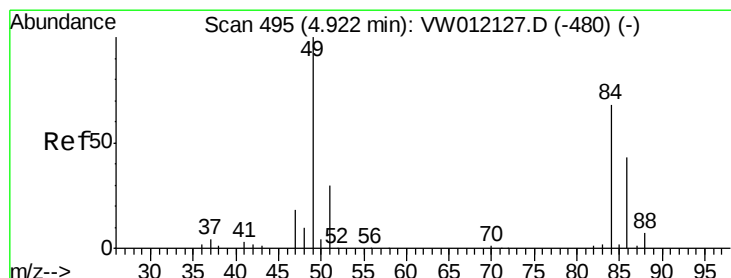
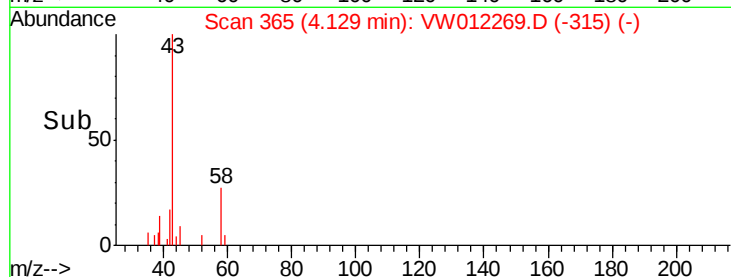
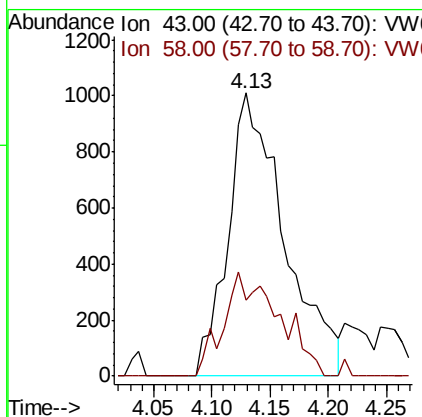
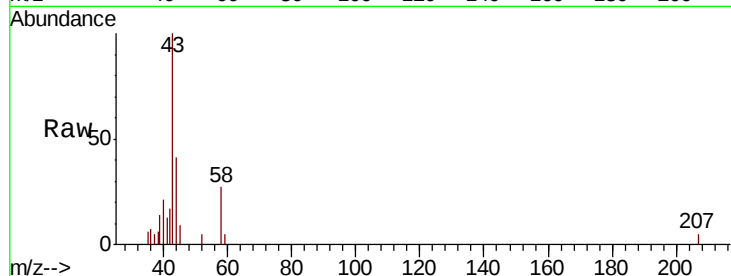




#16
Acetone
Concen: 4.080 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012269.D
Acq: 28 Aug 2019 23:26

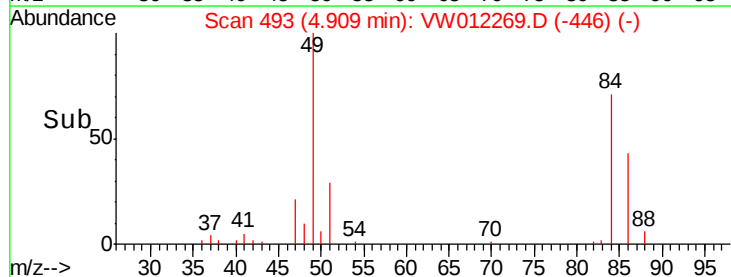
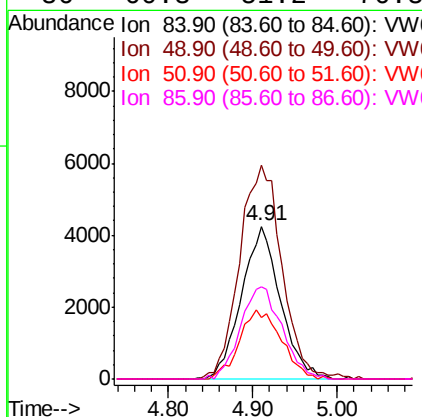
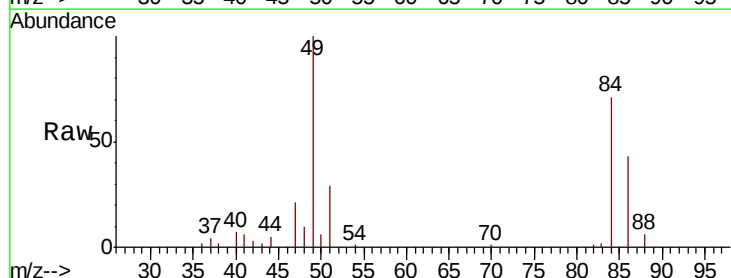
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBL02

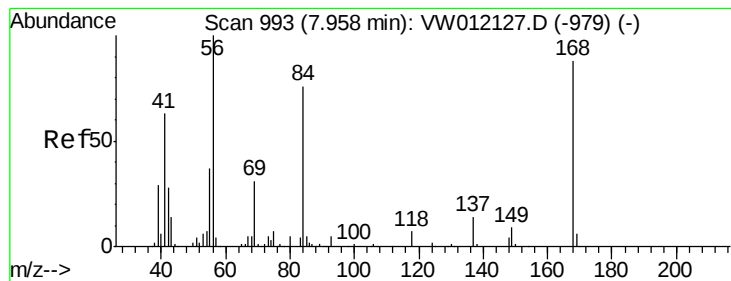
Tgt Ion: 43 Resp: 3411
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6



#20
Methylene Chloride
Concen: 4.214 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012269.D
Acq: 28 Aug 2019 23:26

Tgt Ion: 84 Resp: 13316
Ion Ratio Lower Upper
84 100
49 139.9 117.8 176.8
51 40.4 35.6 53.4
86 60.3 51.2 76.8





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBL02

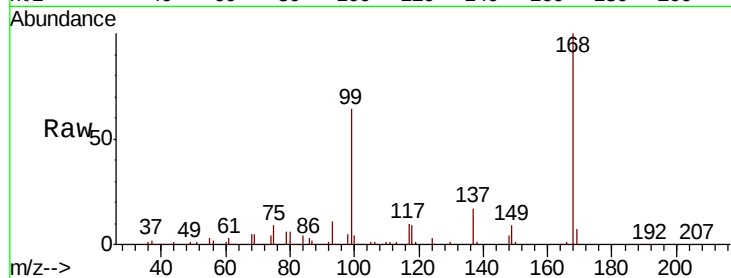
Tgt Ion: 56 Resp: 6791

Ion Ratio Lower Upper

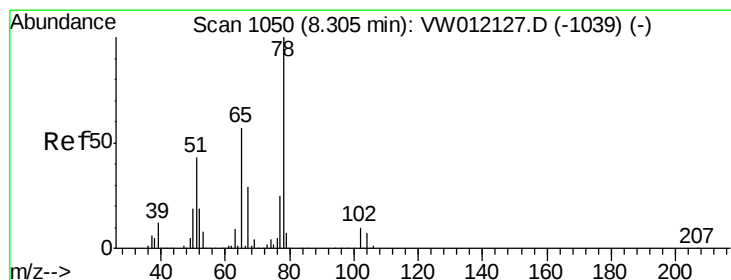
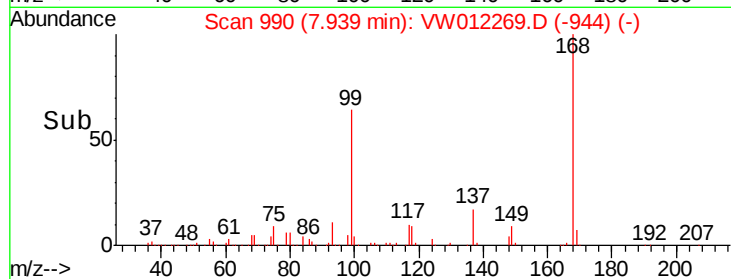
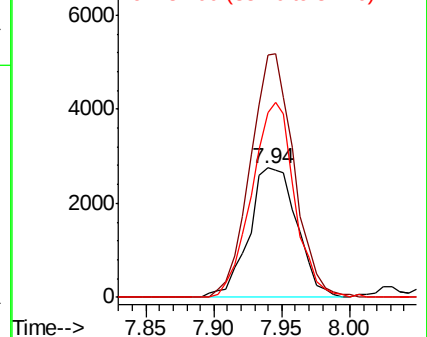
56 100

69 187.5 24.9 37.3#

84 142.2 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.142 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012269.D

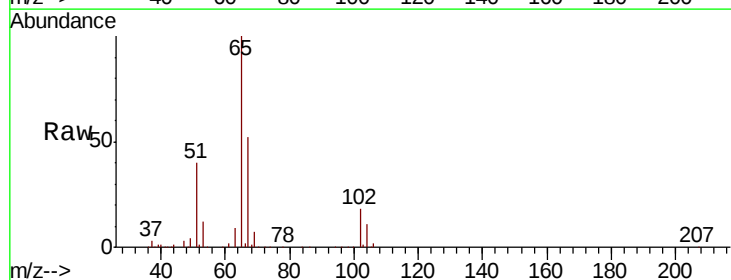
Acq: 28 Aug 2019 23:26

Tgt Ion: 65 Resp: 167245

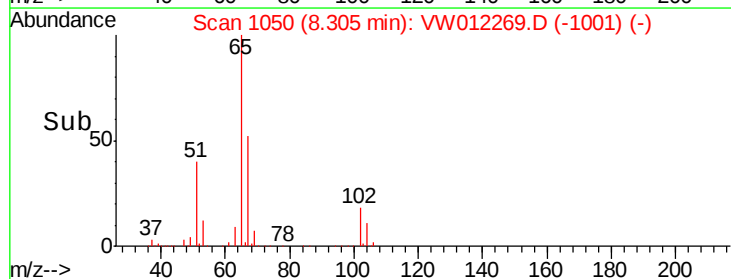
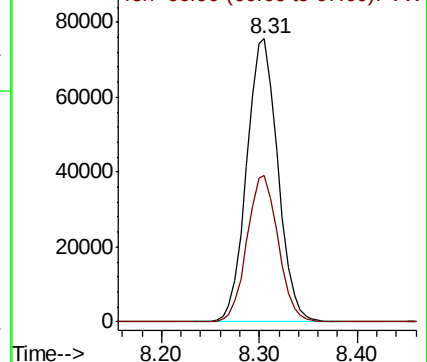
Ion Ratio Lower Upper

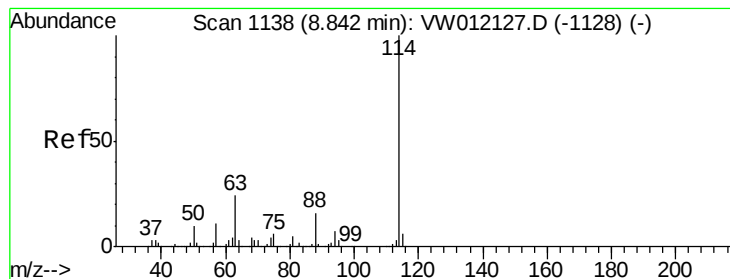
65 100

67 51.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBL02

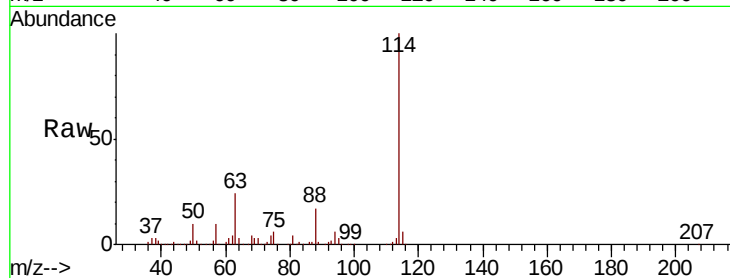
Tgt Ion:114 Resp: 456450

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

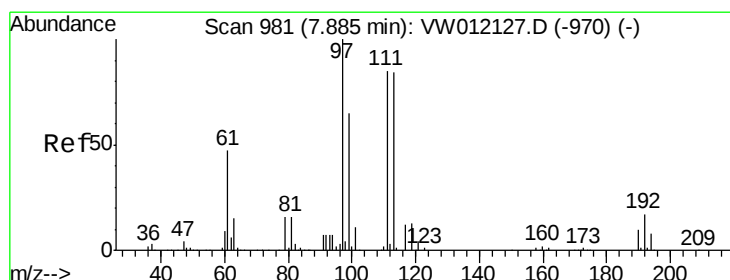
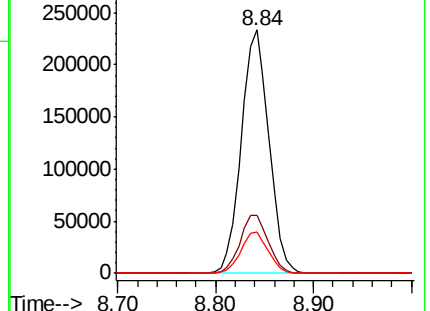
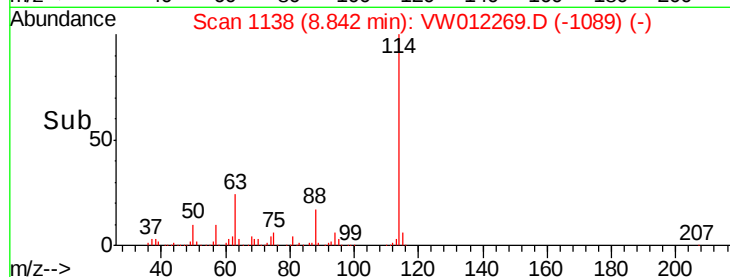
88 16.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 49.805 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

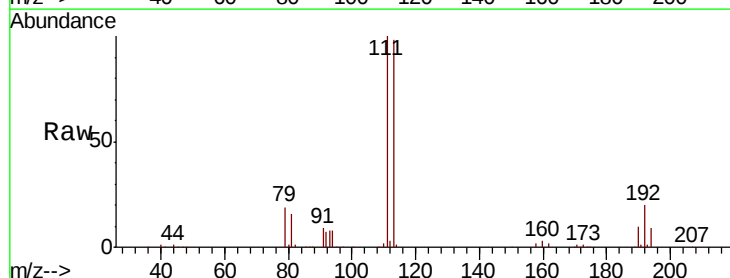
Tgt Ion:113 Resp: 135698

Ion Ratio Lower Upper

113 100

111 104.1 82.7 124.1

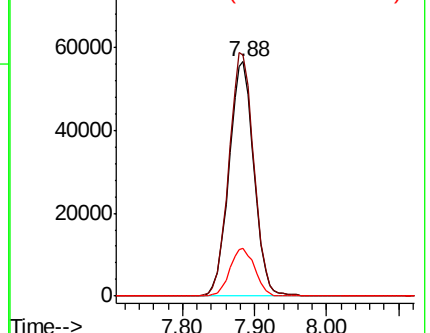
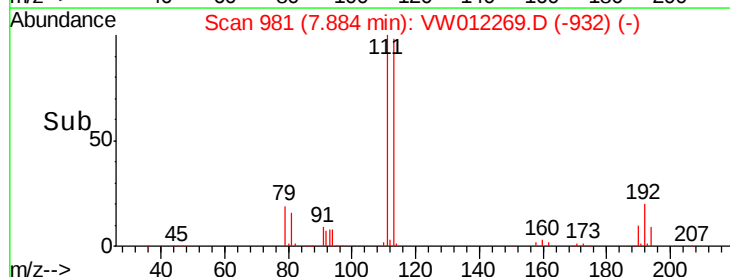
192 20.4 16.2 24.2

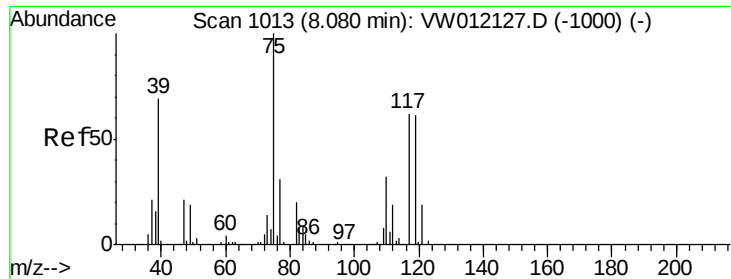


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

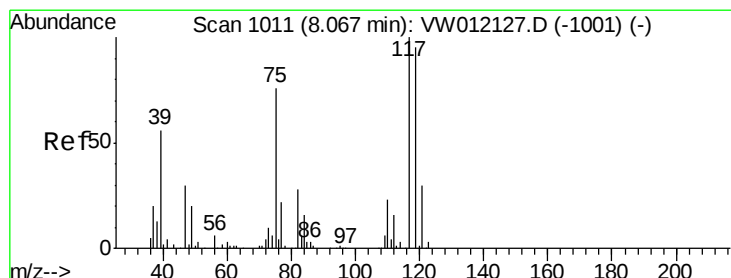
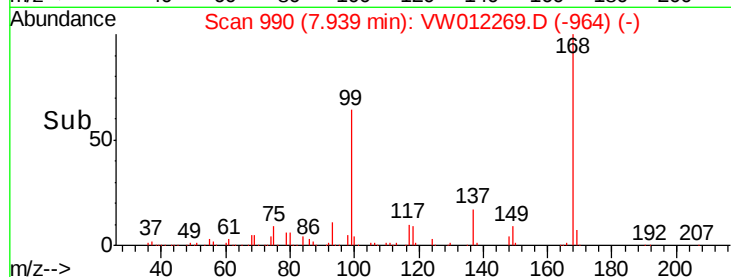
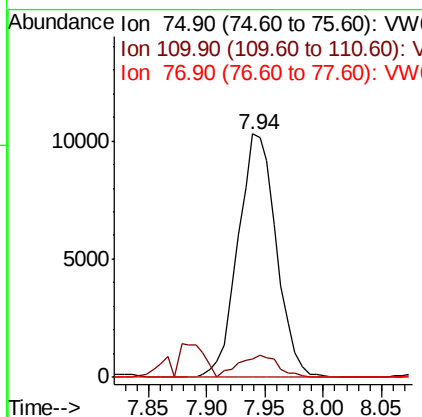
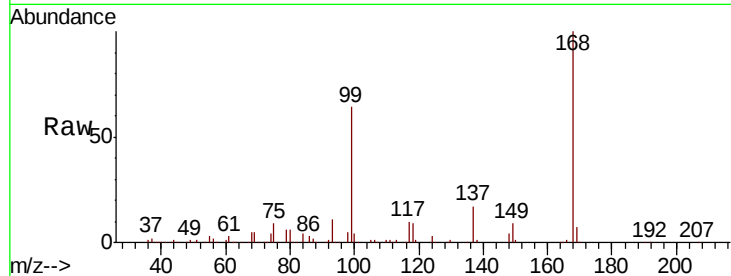




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012269.D
 Acq: 28 Aug 2019 23:26

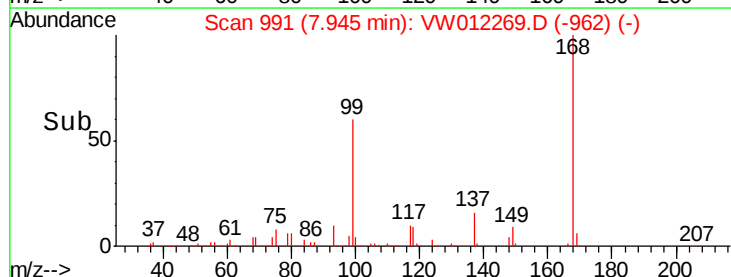
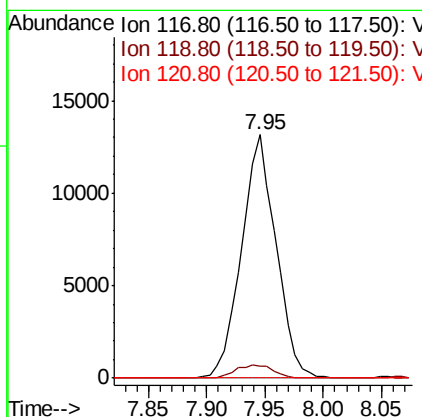
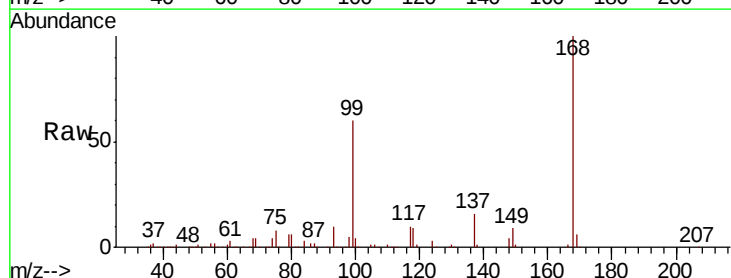
Instrument :
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 VW0828SBL02

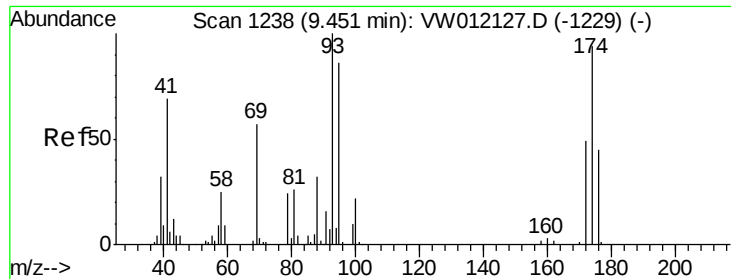
Tgt Ion: 75 Resp: 23578
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.684 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012269.D
 Acq: 28 Aug 2019 23:26

Tgt Ion: 117 Resp: 27287
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 23.8 35.8#

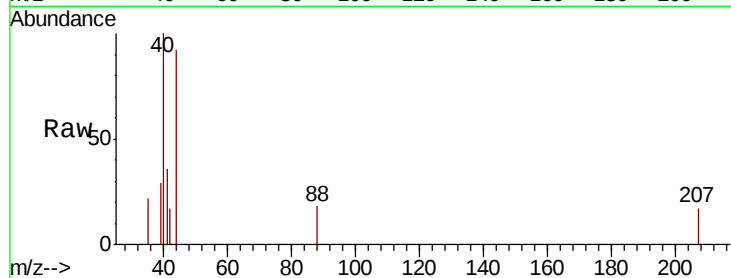




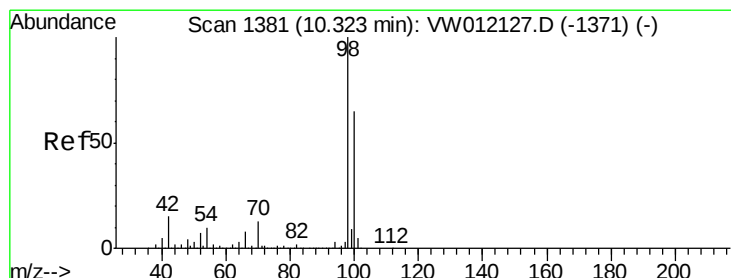
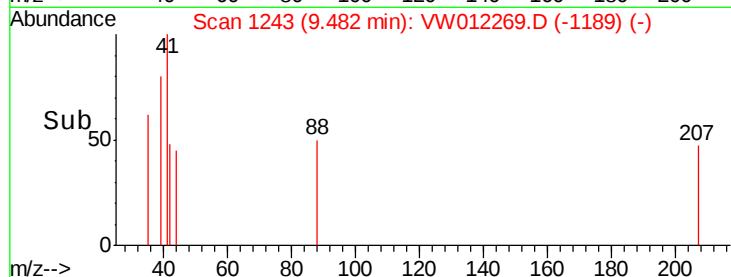
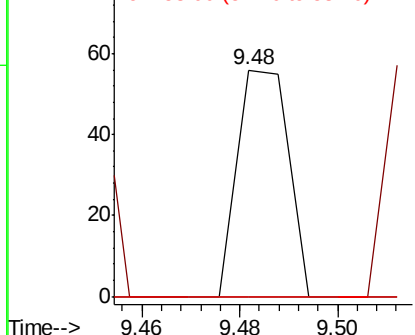
#49
 1,4-Dioxane
 Concen: 1.737 ug/l
 RT: 9.48 min Scan# 1243
 Delta R.T. 0.03 min
 Lab File: VW012269.D
 Acq: 28 Aug 2019 23:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBL02

Tgt Ion: 88 Resp: 41
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.9 49.3#
 58 0.0 71.0 106.4#

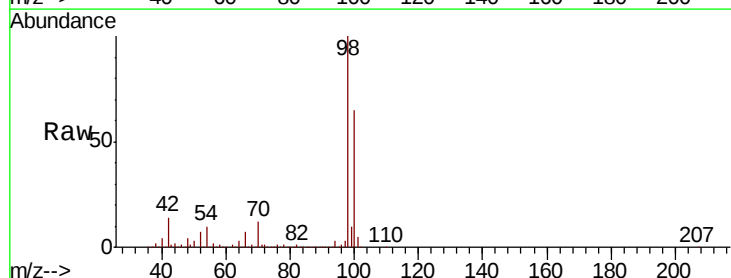


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

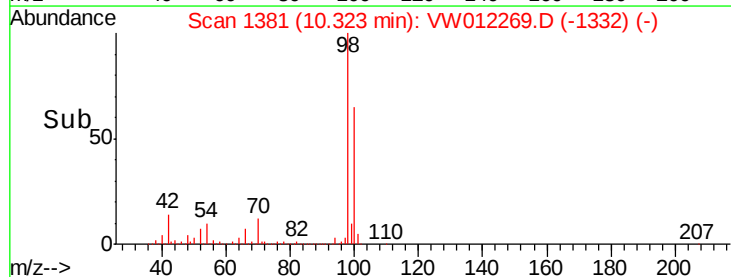
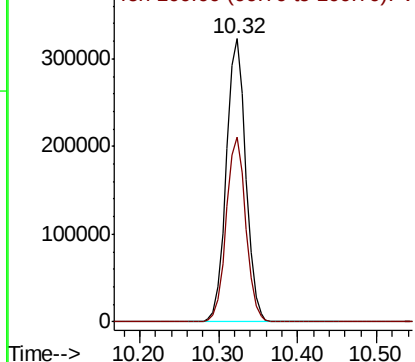


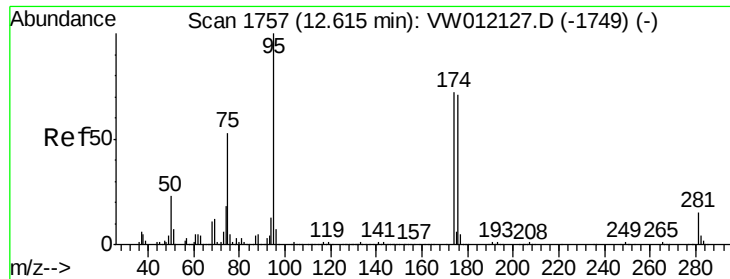
#50
 Toluene-d8
 Concen: 50.187 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012269.D
 Acq: 28 Aug 2019 23:26

Tgt Ion: 98 Resp: 554436
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

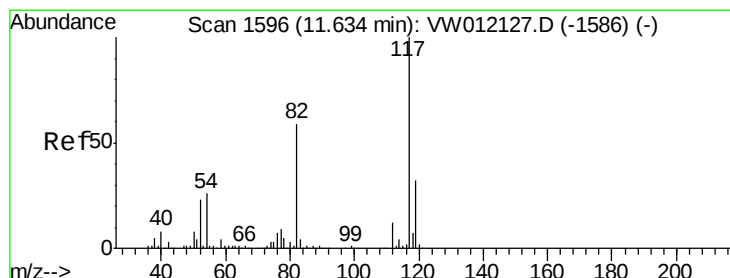
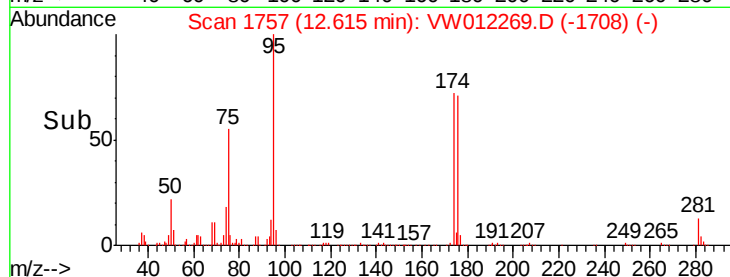
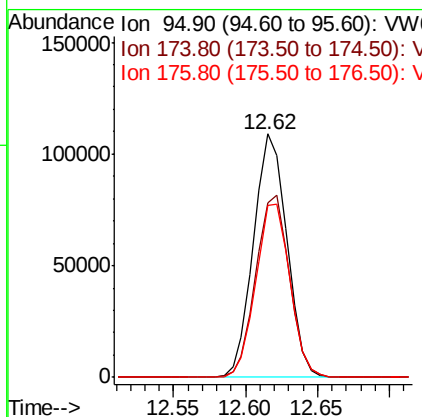
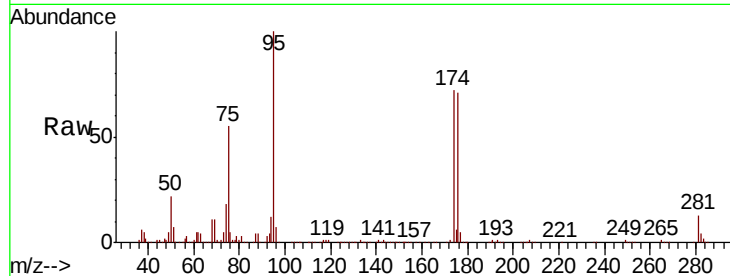




#62
4-Bromofluorobenzene
Concen: 44.768 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012269.D
Acq: 28 Aug 2019 23:26

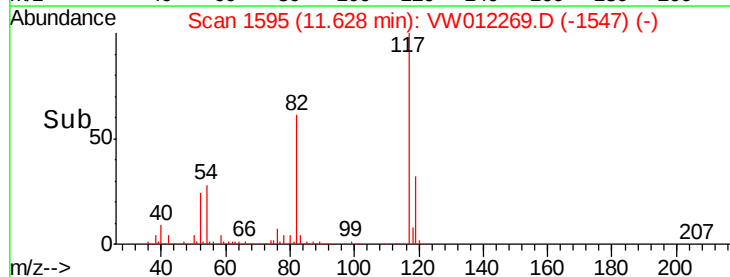
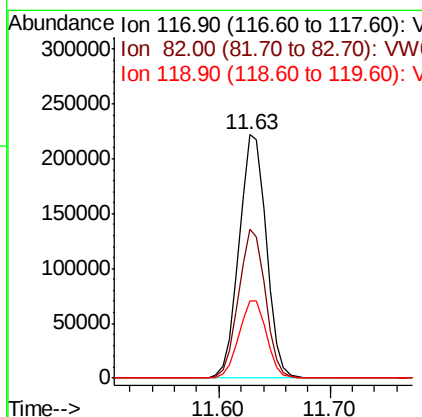
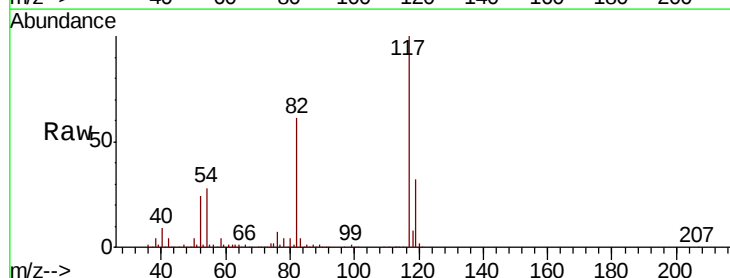
Instrument :
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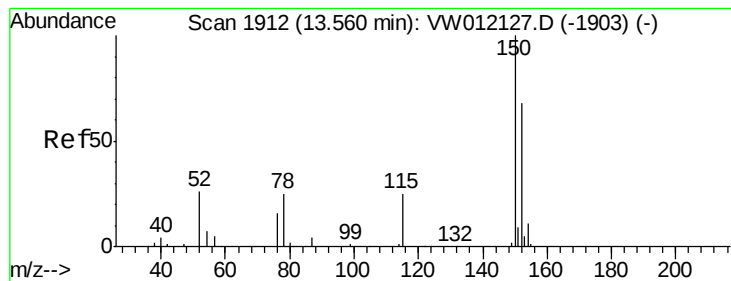
Tgt Ion: 95 Resp: 174334
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.8
176 73.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012269.D
Acq: 28 Aug 2019 23:26

Tgt Ion: 117 Resp: 375554
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 31.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBL02

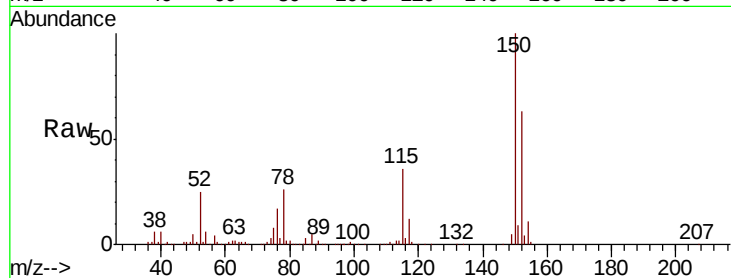
Tgt Ion:152 Resp: 147601

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.3

150 156.1 0.0 345.8

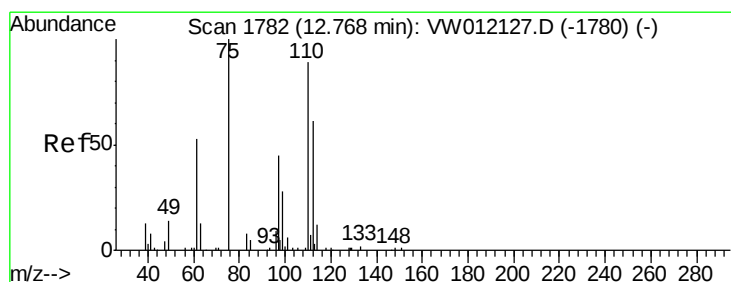
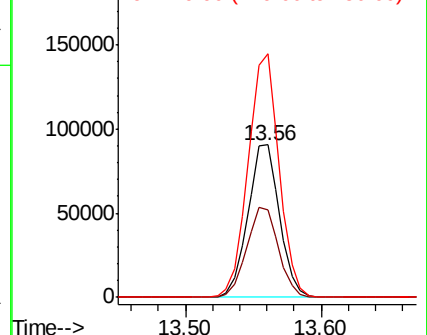
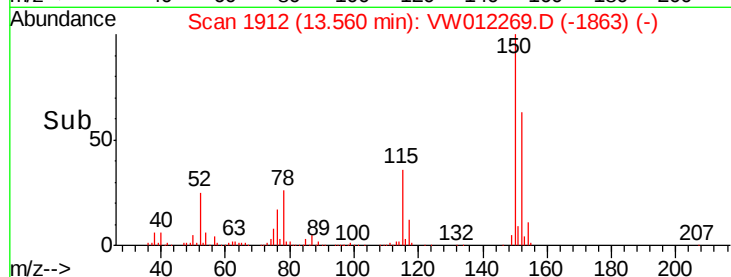


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 65.622 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012269.D

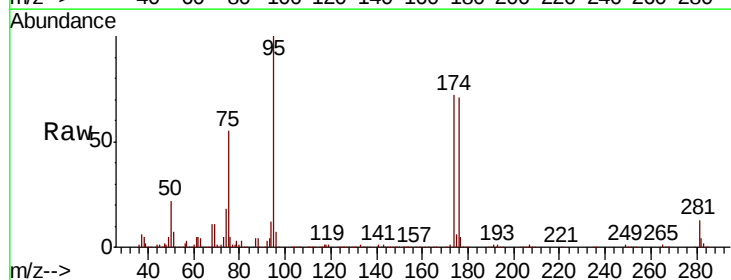
Acq: 28 Aug 2019 23:26

Tgt Ion: 75 Resp: 94334

Ion Ratio Lower Upper

75 100

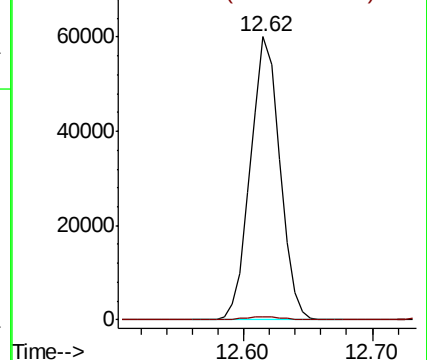
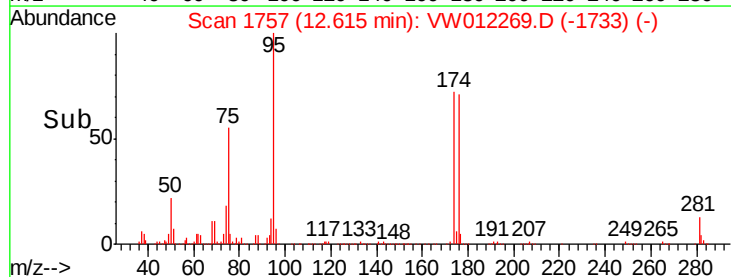
77 1.3 0.0 0.0#

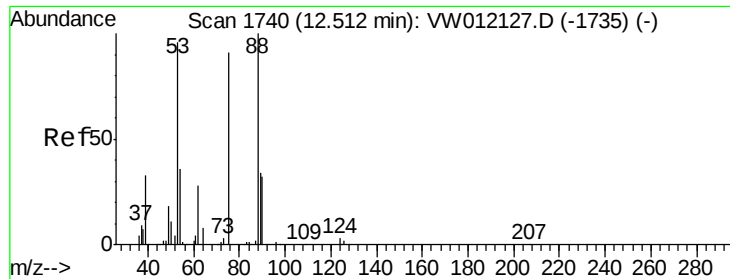


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 143.879 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBL02

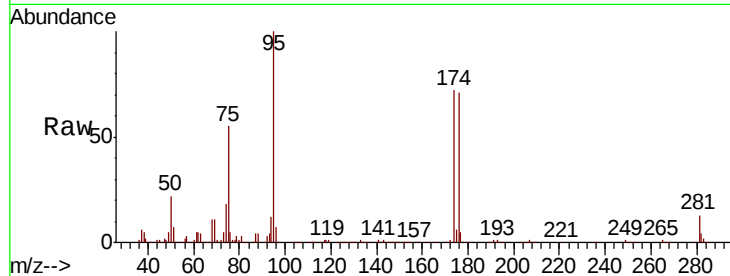
Tgt Ion: 75 Resp: 94334

Ion Ratio Lower Upper

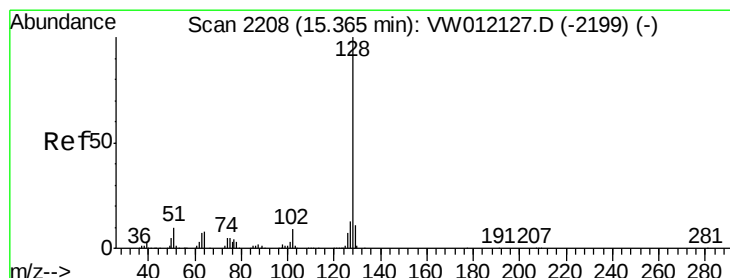
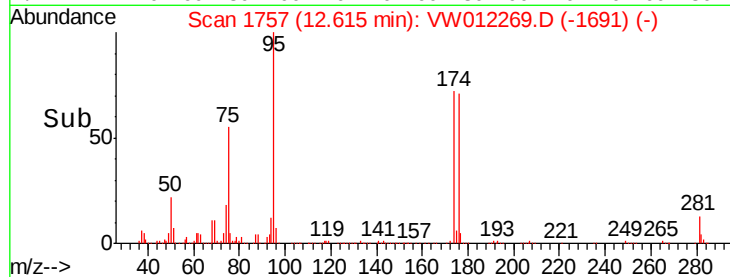
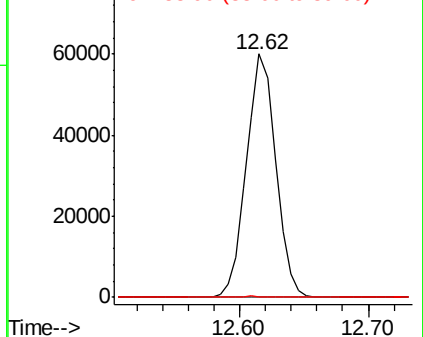
75 100

53 0.1 89.4 134.0#

89 0.3 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.465 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012269.D

Acq: 28 Aug 2019 23:26

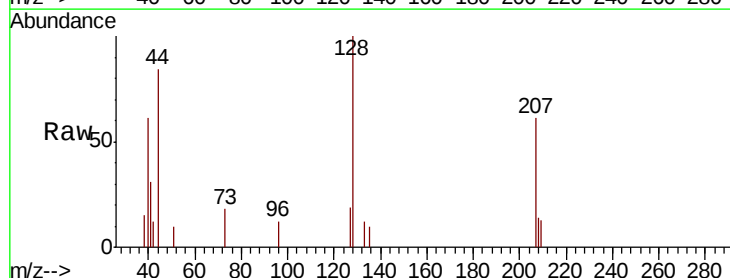
Tgt Ion: 128 Resp: 878

Ion Ratio Lower Upper

128 100

127 15.7 10.7 16.1

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

